ARCHIVES OF PHYSICAL MEDICINE AND REHABILITATION

Volume 55—January-December 1974

Number 1, January 1974

Editorial: An Historic First. Arthur S. Abramson, M.D. 1
Physical Medicine: Reflections and Predictions. Justus F. Lehmann, M.D. 2
Historia Obscura Hemiplegiae. (The Walter J. Zeiter Lecture). Frederic J. Kottke, M.D. 4
Pharmacology of Phenol in Peripheral Nerve Blocks: A Review. Gerald Felsenthal, M.D. 13
Electromyographic Findings in Lower Extremities of Patients With High Spinal Cord Injury. Robert G. Taylor, M.D.; Laxman S. Kewalramani, M.D., and William M. Fowler, Jr., M.D. 16
Interstitial Myofibrositis: Serum and Muscle Enzymes and Lactate Dehydrogenase-Isoenzymes. Guirguis A. Ibrahim, Ph.D.; Essam A. Awad, M.D., and F. J. Kottke, M.D. 23
Tension Perception in Patients Having Pain Associated With Chronic Muscle Tension. Roy S. Fowler, Jr., Ph.D., and George H. Kraft, M.D. 28
Normal Conduction Velocity in the Lateral Femoral Cutaneous Nerve. Edward T. Butler, M.D.; Ernest W. Johnson, M.D., and Zachary A. Kaye 31
Pathology of Propylene Glycol Administered by Perineural and Intramuscular Injection in Rats. Naoichi Chino, M.D.; Essam A. Awad, M.D.; and Frederic J. Kottke, M.D. 33
New Academy President: Leonard F. Bender, M.D. 38
1973 Krusen Award: Howard A. Rusk, M.D. Eugene J. Taylor 39
1974 Postgraduate Courses 41
Awards Given at 35th Annual Assembly (Photo page) 42
1973 Board Diplomates 43
Book Reviews 44

Number 2, February 1974

Shoulder Arthrography in Hemiplegic Patients. Cecilio S. Nepomuceno, M.D., and John M. Miller, III, M.D. 49
Information Content of Myo-Control Signals for Orthotic and Prosthetic Systems. Lojze Vodovnik and Stanislav Rebersek 52
Reproducibility of Strength-Duration Curves. Justin Alexander, Ph.D. 56
Vocational Rehabilitation of Patients on Long-Term Hemodialysis. Richard T. Goldberg, Ed.D. 60
Predictive Factors for Success of the Physically Disabled: Study of a Socioeconomically Disadvantaged Group. Miriam E. Lane, M.D., Esther Dorfman, M.Ed., and James T. Demopoulos, M.D. 65
Traumatic Amputation in Children Resulting From "Train—Electric-Burn" Injuries: A Social-Environmental Syndrome? Victor Cummings, M.D., and Gabriella Molnar, M.D. 71
A Quantitative Study of Stance in Normal Subjects. R. F. Stribley, M.S.; J. W. Albers, M.D.; W. W. Tourtellotte, M.D., and J. L. Cockrell, Ph.D. 74
Spinal Cord Injury: A Review of Experimental Implications for Clinical Prognosis and Treatment. Susan Gwen Perlman, M.D. 81
Goal Setting: A Joint Patient-Staff Method. Marjorie C. Becker, Ph.D.; Kathleen S. Abrams, M.A., and Janice Onder, M.S.W. 87
Clinical Notes
Endoskeletal Protheses: Use in Patient Having Ipsilateral Fore- and Hind-Quarter Amputations. Henri V. Pelosof, M.D.; Alvin L. Muilenburg, C.P.O., and Lewis A. Leavitt, M.D. 89
Lumbosacral Plexopathy Caused by Retroperitoneal Hemorrhage: Report of Two Cases. Tarikere P. Rajashekhar, M.D., and Gerald J. Herbison, M.D. 91
Prosthetics, Orthotics and Devices
A Modular Communication Device for Paralyzed Patients. Silas D. White, Ph.D. 94
Letters to the Editor 96
Book Reviews 97

Number 3, March 1974

Rehabilitation of Geriatric Patients Having Bilateral Lower Extremity Amputations. Joji Sakuma, M.D.; Catherine Hinterbuchner, M.D.; Ronald F. Green, M.D., and Maurycy Silber, M.D. 101
Energy Expenditure in Below-Knee Amputees: Correlation With Stump Length. Erwin G. Gonzalez, M.D.; Paul J. Corcoran, M.D., and Rodolfo L. Reyes, M.D. 111
Cold Hypersensitivity: A Simple Method for Its Reduction. Henry C. Marshall, Ph.D., and Roger T. Gregory, M.D. 119

Posterior Tibial Tendon Transfers in Neuromuscular Conditions Other Than Anterior Poliomyelitis. Edward J. Eyring, M.D.; William C. Earl, M.D., and J. Frederick Brockmeyer, M.D. 124
H-reflex Latency and Sensory Conduction Velocity in Normal and Diabetic Subjects. E. W. Wager, Jr., B.A., and A. A. Buerger, Ph.D. 126
Role of Physical Therapy in Recovery of Function After Colles' Fracture. Manu Pasila, M.D.; Erkki O. Karaharju, M.D., and Pentti V. Lepistö, M.D. 130
Orthoses in Patients With Brachial Plexus Injuries. Jacquelin Perry, M.D.; John Hsu, M.D.; Lois Barber, O.T.R., and M. Mark Hoffer, M.D. 134
Clinical Notes
Arteriovenous Malformation of the Spinal Cord: Case Report. Seung J. Park, M.D., and Eugene J. Rogers, M.D. 137
Air-Current Treatment for Decubitus Ulcers. Sanders W. Davis, M.D., and Dong Son Chu, M.D. 138
A Urine Drainage System for Improved Quadriplegic Independence. C. Gerald Warren, M.P.A., and Bruce Terami, B.A. 139
Prosthetics, Orthotics and Devices
Wheelchair Bumpers. Dudley B. Luck, M.Ed.; Cecil D. Mercer, M.S., and James S. Payne, Ed.D. 141
Letters to the Editor 142
1974 Congress Board of Governors and Committees 143
Triumph Over Disability. Photo Report on Smithsonian Institution Exhibit. 145

Number 4, April 1974

Decubitus Ulcers: Role of Pressure and Friction in Causation. Sidney M. Dinsdale, M.D. ... 147
Motor Unit Study by Regional Intravenous Perfusion With Curare. Robert G. Taylor, M.D.; Robert B. Layzer, M.D.; John A. Marta, M.D., and William M. Fowler, Jr., M.D. 152
Standardization of H Reflex and Diagnostic Use in S1 Radiculopathy. Randall L. Braddom, M.D., and Ernest W. Johnson, M.D. 161
Urinary Bladder Contractility: Action of Imipramine. Peregrina Labay, M.D., and Saul Boyarsky, M.D. 166
Impedance Plethysmography: A Useful Method in the Diagnosis of Deep Vein Thrombophlebitis in the Lower Extremity. John J. Seeber, M.D. 170
Malpractice Prevention in the Physical Medicine and Rehabilitation Field. M. Mittelmann, M.D. 174
Effect of Below-Knee Bracing on Knee Movement: Biomechanical Analysis. Kyu-Ha Lee, M.D., and Richard Johnston, M.A. 179
Wheelchair Propulsion in the Quadriplegic Patient. Justus F. Lehmann, M.D.; C. Gerald Warren, M.P.A.; Eugen Halar, M.D., Jerry B. Stonebridge, B.S., and Barbara J. DeLateur, M.D. 183
Clinical Notes
Comparison of Air Cystometry With Patient in Supine and Seated Positions. Mary Price, M.D.; Judith Malenfant, M.D., and Rodger Bunker 186
New Members of Editorial Board 188
Letters to the Editor 190
1974 Academy Board of Governors and Committees 191

Number 5, May 1974

Structural and Chemical Changes in Rat Muscle Following Tenotomy. Essam A. Awad, M.D.; Guirguis A. Ibrahim, Ph.D., and Frederick J. Kottke, M.D. 193
Histochemical Response of Rat Phosphorylase to Different Workloads After Tenotomy of the Synergists. M. Mazher Jaweed, M.S.; Gerald J. Herbison, M.D., and Edward E. Gordon, M.D. 198
Overwork of Denervated Skeletal Muscle: Effect on Muscle Proteins in Rats. Gerald J. Herbison, M.D.; M. Mazher Jaweed, M.S.; Edward E. Gordon, M.D., and John F. Ditunno, Jr., M.D. 202
Arthrography in the Diagnosis of Shoulder Pain and Immobility. Joseph J. Weiss, M.D.; George R. Thompson, M.D.; Vivienne Doust, M.B., and Francis A. Burgener, M.D. ... 205
Frozen Shoulder: Treatment by Local Injections of Depot Corticosteroids. Otto Steinbrocker, M.D., and Thomas G. Argyros, M.D. 209
Muscle Heating Produced in Hog Specimens by Microwaves at 915 and 433.92 Megahertz. Justus F. Lehmann, M.D.; Jerry Stonebridge, B.S.; C. Gerald Warren, M.P.A., and Barbara DeLateur, M.D. 213
Local Blood Flow After Short-Wave Diathermy: Preliminary Report. Hanne Hovind, R.P.T., and Steen Levin Nielsen, M.D. 217
Sexual Function in the Paraplegic Patient. William F. Fitzpatrick, M.D. 221
Aphasia Tests: Differences Among Naming Tasks. James E. Nation, Ph.D., and Marilyn M. Corlew, Ph.D. 228

Verlo Brace Use in Children With Myelomeningocele and Spinal Cord Injury. Neal Taylor, M.D., and Patricia Sand, Ph.D. 231
Programed Examination Formats: Use in Rehabilitation Medicine. Carl V. Granger, M.D., and Everett M. Delabarre, Jr., M.D. 235
Book Reviews 240

Number 6, June 1974

Muscle Weight and Protein Content of Rat Skeletal Muscle Following Sciatic Nerve Crush. Gerald J. Herbison, M.D.; M. Mazher Jaweed, M.D.; Carolyn M. Scott, M.S., and John F. Ditunno, Jr., M.D. 241
Ergometry in the Clinical Evaluation of Parkinsonism. Ismael Mena, M.D.; Margaret A. Bell, R.N., and David W. Potter, B.S. 246
Auditory Electromyographic Feedback Therapy to Inhibit Undesired Motor Activity. D. Swaan, M.A.; P.C.W. van Wieringen, M.A., and S. D. Fokkema, Ph.D. 251
Concept of Key Pulse Rate in Coronary Rehabilitation. Charles Long, II, M.D. 255
Energy Expenditure On-the-Job: An Approach to Its Assessment. David Cardus, M.D. 260
Stroke: Early Portents of Functional Recovery in Black Patients. Stephen Q. Shafer, M.D.; Bertel Bruun, M.D.; Roy Brown, M.D., and Ralph W. Richter, M.D. 264
Socioeconomic Factors Affecting the Vocational Success of Stroke Patients. Charles Smolkin, M.Ed., and B. Stanley Cohen, M.D. 269
Changing Roles and Disagreement in Families With Disabled Husbands. James O. Carpenter, Ph.D. 272
Pulmonary Embolism in Acute Spinal Cord Injury. Francis Naso, M.D. 275
The Fairley Test: An Aid in the Diagnosis of Pyelonephritis in Paraplegia. Francis Naso, M.D., and John F. Ditunno, Jr., M.D. 279
Erratum 281
Preliminary Program. AAPM&R 36th Annual Assembly 282
Preliminary Program. ACRM 51st Annual Session 283
Book Reviews 284

Number 7, July 1974

Rehabilitation Medicine: Planning a Residency Curriculm. Robert H. Meier, III, M.D.; Dorothea D. Glass, M.D., and Richard M. Herman, M.D. 285
Curriculm Objectives in Rehabilitation Medicine: Results of a Survey. Randall L. Braddom, M.D.; Ernest W. Johnson, M.D., and Gregory Trzebiatowski, Ph.D. 289
An Integrated First-Year Residency Training Program in Physical Medicine and Rehabilitation. George W. Waylonis, M.D., and Ernest W. Johnson, M.D. 293
Teaching Medical Students the Social and Environmental Aspects of Rehabilitation. Mary D. Romano, M.S.W. 294
Exercise Prescription and the Postcoronary Patient. David A. Cunningham, Ph.D., and Peter A. Rechnitzer, M.D. 296
Jogging in Middle-Aged Men: Effect on Cardiovascular Dynamics. Ronald J. Byrd, Ph.D.; Douglas P. Smith, Ph.D., and Charles B. Shackleford, M.S. 301
Muscle Strength: Ipsilateral and Contralateral Effects of Superimposed Stretch. Pierre P. Lagasse, M.S. 305
Paraplegic Use of Walking Braces: A Survey. N. Rosman, B.SW., and E. Spira, M.D. 310
Sensory Conduction of Radial Nerve. Arie Feibel, M.D., and Francis J. Foca, M.D. 314
Clinical Notes
- Early Rehabilitation in Workmen's Compensation. William B. Whiting, M.D., and Robert D. Beyer, M.P.A. 316
- Disinfecting Hydrotherapy Equipment. Robert E. Mansell, B.S., and Kenneth A. Borchardt, Ph.D. 318
- Independent Condom Application for Urinary Drainage in C6 Quadriplegia. Laura C. Heard, R.N.; Ronald L. Kirby, M.D., and Walter C. Stolov, M.D. 320

Prosthetics, Orthotics and Devices
- Flexor Hinge Splint: Modification to Allow Radial Deviation. C. R. Lamb, Jr., M.D.; A. J. Booth, and Mary E. Godfrey, O.T.R. 322

Editorials
- Problems in Teaching and Training in Rehabilitation Medicine. Arthur S. Abramson, M.D. 324
- ITE-74. Leonard F. Bender, M.D.; George H. Koepke, M.D.; John F. Ditunno, Jr., M.D., and Joachim L. Opitz, M.D. 326

Book Reviews 329
Erratum 330

Number 8, August 1974

Editorial: A Spasticity Symposium. The Editorial Board 331
Mechanisms of Spasticity. James W. Lance, M.D., and David Burke, M.D. 332

Neurophysiologic Mechanisms of Hemiplegic and Paraplegic Spasticity: Implications for Therapy. Richard Herman, M.D.; William Freedman, Ph.D., and Nathaniel Mayer, M.D. 338
Clinical Assessment and Pharmacologic Therapy of Spasticity. Ejner Pedersen, M.D. 344
Dantrolene Sodium: Its Effect on Extrafusal Muscle Fibers. A. Willem Monster, Ph.D.; Yasuhiko Tamai, M.D., and J. McHenry, B.S. 355
Mechanism of Control of Skeletal-Muscle Contraction by Dantrolene Sodium. Keith O. Ellis, Ph.D., and John F. Carpenter, B.S. 362
Centrally Acting Skeletal-Muscle Relaxants. Edward F. Domino, M.D. 369
Spasticity and the Effect of Dantrolene Sodium. A. Willem Monster, Ph.D. 373
Dantrolene Sodium in Children With Spasticity. Robert H. A. Haslam, M.D.; J. Ronald Walcher, M.D.; Paul S. Lietman, M.D.; Clayton H. Kallman, B.A., and E. David Mellits, Sc.D. 384
Pharmacology of Dantrolene Sodium in Children. Paul S. Lietman, M.D.; Robert H. A. Haslam, M.D., and J. Ronald Walcher, M.D. 388
Book Reviews 392

Number 9, September 1974

Motor Deficit of Retarded Infants and Young Children. Gabriella E. Molnar, M.D. 393
Epidemiology and Patterns of Care of Stroke Patients. Charles J. Gibson, M.D. 398
Spasmodic Torticollis: Treatment by Feedback Display of the EMG. Joseph Brudny, M.D.; Bruce B. Grynbaum, M.D., and Julius Korein, M.D. 403
Amputee Management Using a Fitted Temporary Prosthesis: A Preliminary Report. Richard A. Sullivan, M.D., and James Tucker, R.P.T. 409
H Reflex: Review and Classification With Suggested Clinical Uses. Randall L. Braddom, M.D., and Ernest W. Johnson, M.D. 412
Arm Pedaling as an Endurance Training Regimen for the Disabled. Michael L. Pollack, Ph.D.; Henry S. Miller, M.D.; A. C. Linnerud, Ph.D.; Elizabeth Laughridge, M.S.; Elizabeth Coleman, M.S., and Eben Alexander, M.S. 418
Rotator Cuff Tear Versus Suprascapular Nerve Injury: A Problem in Differential Diagnosis. William H. Donovan, M.D., and George H. Kraft, M.D. 424
Clinical Notes
Efficacy of Physiatric Management of Linear Scleroderma. Robert I. Rudolph, M.D.; James J. Leyden, M.D., and Bruce J. Berger, M.D. 428
The Heroin Addict on the Rehabilitation Ward. Claire Schiller, M.D., and Ralph W. Richter, M.D. 431
Brief Communications
Semirigid (Una) Dressing of Amputations. Lelia E. Sterescu, M.D. 433
Letters to the Editor 435
Book Reviews 436
Survey of Selected Literature 438

Number 10, October 1974

Intermittent Catheterization as a Rehabilitation Nursing Service. Hannah M. Kuhn, B.S., R.N.; Thaworn Hongladarom, M.D.; Michele Parks, B.S., R.N., and Rosemarian Berni, M.N., R.N. 439
Hand-Control Drivers: Comparison of Driving Records and Insurance Rates With Those of Nonrestricted Drivers. Mary Louise Hymen, M.O.T., O.T.R. 443
Housing for the Disabled: A Follow-Up Study. Ronald F. Green, M.D.; Maurycy Silber, M.D., and Catherine Hinterbuchner, M.D. 447
Variables Related to Success in a Medical Rehabilitation Setting. Stanley J. Smits, Ph.D. ... 449
Amputations of the Lower Extremity: A Study of 194 Cases. Morris D. Kerstein, M.D.; Howard Zimmer, M.A.; Frederick E. Dugdale, M.D., and Emanuel Lerner, M.A. 454
Wheelchair Cushions to Reduce Pressure Under Bony Prominences. Sherman G. Souther, M.D.; Stephen D. Carr, L.V.N., and Lars M. Vistnes, M.D. 460
Management of Flexor Spasms With Lioresal. Bhagwan T. Shahani, M.D., and Robert R. Young, M.D. 465
Clinical Notes
Swallowing Training for Dysphagic Patients. Kathleen M. Griffin, Ph.D. 467
Orthostatic Hypotension Following Surgery on Brain-Stem Neoplasms: Report of Two Cases. Georgia Riedel, R.P.T.; Derek B. Frewin, M.D.; Lenore Gladstone, M.D., and John A. Downey, M.D. 471
Therapeutic Horseback Riding for the Handicapped. Myra R. Haskin, M.D.; William J. Erdman, II, M.D.; Jennifer Bream, P.T., and Charles G. MacAvoy, P.T. 473
A Combined Brace and Shoe Clinic. Seymour S. Bluestone, M.D. 475

Prosthetics, Orthotics and Devices
The Hand Gym: An Exercise Apparatus for the Patient With Rheumatoid Arthritis. Doris E. Bens, O.T.R., and Semyon E. Krewer, Dipl. Ing. 477
Buck's Traction Boot for Home Use. Connie Crihfield, B.S.N., R.N. 480
Rotating Table for the High Level Quadriplegic. D. C. Symington, M.B.; Elizabeth Boyd, B.O.T., and Jiri Vasa, B.Sc. 481
Letters to the Editor 483

Number 11, November 1974

Physiological Responses to Cold Stress in Healthy Subjects and in Subjects With Cervical Cord Injuries. Jacqueline Claus-Walker, Ph.D.; L. S. Halstead, M.D.; R. E. Carter, M.D.; R. J. Campos, M.D.; W. A. Spencer, M.D., and Joseph Canzoneri, III, M.S. 485
Development of Quantitative Standards for Muscle Strength in Children. Gabriella E. Molnar, M.D., and Justin Alexander, Ph.D. 490
Chronic Obstructive Lung Disease: Postural Relief of Dyspnea. Alvan L. Barach, M.D. 494
Nerve Blocks in the Lower Extremities: Anatomic Considerations. Gerald Felsenthal, M.D. 504
Bones Mineral Content: Relationship to Muscle Strength. Mehrsheed Sinaki, M.D.; Joachim L. Opitz, M.D., and Heinz W. Wahner, M.D. 508
Endurance and Strengthening Exercise Adaptations: I. Protein Changes in Skeletal Muscles. M. Mazher Jaweed, M.S.; Edward E. Gordon, M.D.; Gerald J. Herbison, M.D., and K. Kowalski, M.S. 513
Decubitus Ulcers: Healing Effect of an Enzymatic Spray. V. E. Yucel, M.D., and J. V. Basmajian, M.D. 517
Shoulder Sling for Hemiplegia: Friend or Foe? Marvin M. Hurd, M.D.; Karen H. Farrell, M.S., and George W. Waylonis, M.D. 519
Inulin Clearance as a Screening Test for Kidney Function. Mary Price, M.D. 522
Editorial: Acupuncture: Dilemmas, Problems, Perspectives. Arie Feibel, M.D. 524
Letters to the Editor 525
In Memoriam: Karl Harpuder, M.D. Jerome S. Tobis, M.D. 528
New Board Diplomates 529
1974 Directory of Societies of Physical Medicine and Rehabilitation in the United States 530

Number 12, December 1974

Contractile Properties of Soleus Muscle During Development in Normal and Dystrophic Mice. Robert G. Taylor, M.D.; William M. Fowler, Jr., M.D., and Dean T. Wilson, M.D. 531
Heart Weight of Rat in Different Exercises. M. Mazher Jaweed, M.S.; Gerald J. Herbison, M.D.; John F. Ditunno, Jr., M.D., and Edward E. Gordon, M.D. 539
Predictive Factors in Stroke Rehabilitation. Thomas P. Anderson, M.D.; Norman Bourestom, Ph.D.; Frederick R. Greenberg, Ph.D., and Vida Grace Hildyard, M.S. 545
Bench Step Testing of Exercise Capacity: Unreliable Gauge After Recent Myocardial Infarction. Gerald F. Fletcher, M.D.; Edward W. Watt, Ph.D., and John D. Cantwell, M.D. 553
Coping With a Disability: A Sliding Scale of Goals. Roberta B. Trieschmann, Ph.D. 556
Electric Bed Control: Mechanical Assist for Quadriplegic Patients. C. Gerald Warren, M.P.A.; Susane Wilson, O.T.R., and Bruce Terami, B.A. 560
1974 Academy/Congress Abstracts 562
1974 Annual Index 597

ARCHIVES of PHYSICAL MEDICINE AND REHABILITATION
SUBJECT INDEX

NOTE: Abstracts of scientific papers presented at the Annual Session of the American Congress of Rehabilitation Medicine and the Annual Assembly of the American Academy of Physical Medicine and Rehabilitation are indicated by (abs).

A

ACADEMY, American, of Physical Medicine and Rehabilitation
. . . abstracts, 1974 annual assembly, 562
. . . ITE-74, 326
. . . Krusen Award, H. A. Rusk, 39
. . . news reports, 42
. . . officers and committees, 191
. . . preliminary program, 36th annual assembly, 282
. . . postgraduate courses, 1974, 41
. . . President, 1973-1974, L. F. Bender, 38
. . . Presidential Address, J. Lehmann, 2
. . . Zeiter lecture, F. J. Kottke, 4
ACETYLCHOLINESTERASE in abnormal human muscle, 594 (abs)
ACUPUNCTURE and neurosensory deafness, preliminary report, 595 (abs)
. . . dilemmas, problems, perspectives, 524
ACUPUNCTURE ANALGESIA and pain abatement, psychologic factors, 595 (abs)
ADAPTATIONS of muscular protein to exercise, 513
ADDICT, heroin, on the rehabilitation ward, 431
AGE AND HYPERTENSION and stroke recovery in blacks, 264
AIR-CURRENT treatment for decubitus ulcers, 138
AIR CYSTOMETRY in supine and seated position, 186
ALCOHOLISM, electrodiagnostic studies, 595 (abs)
. . . treatment in a rehabilitation center, 580 (abs)
AMERICAN BOARD of Physical Medicine and Rehabilitation, new diplomates, 1973, 43
. . . new diplomates, 1974, 529
AMPUTATION below the knee and energy expenditure, 111
. . . bilateral lower extremity in geriatric patients, 101
. . . fore-and-hind-quarter, prosthetic management, 89
. . . in children from train-electric burn injury, 71
AMPUTATIONS of lower extremity, study of 194 cases, 454
. . . Unna dressing, 433
AMPUTEE MANAGEMENT using fitted temporary prosthesis, preliminary report, 409
AMPUTEES, degenerative joint disease, 569 (abs)
. . . group rehabilitation, 579 (abs)
. . . with cardiac disease rehabilitation, 583 (abs)
AMYOTROPHY, diabetic, 568 (abs)
ANTICOAGULATION hemorrhage and lumbosacral plexopathy, 91
APHASIA TESTS, differences among naming tasks, 228
ARCHIVES, Academy participation in, 1
ARM PEDALING as endurance training regimen for disabled, 418
ARTERIAL HYPOTENSION, orthostatic, following surgery for brain stem neoplasms, 471
ARTERIOVENOUS MALFORMATION of spinal cord, case report, 137
ARTHRITIS, RHEUMATOID, hand gym for, 477
. . . sexual function, 570 (abs)
ARTHROGRAPHY in diagnosis of shoulder pain and immobility, 205
. . . in diagnosis of shoulder impairment, 424
. . . of shoulder in hemiplegia, 49
ARTHROPLASTY of metacarpophalangeal joints in rheumatoid arthritis, 584 (abs)
AUDITORY ELECTROMYOGRAPHY FEEDBACK therapy to inhibit undesired motor activity, 251
AUTOMATIC STEREOMETRIC (3-D) sensing of body form and range of motion, 575 (abs)
AUTOMOBILE DRIVING evaluation for brain damaged patient, test and its results, 590 (abs)
AUTONOMIC DYSREFLEXIA in quadriplegia, 583 (abs)

B

BACLOFEN (letters to editor), 526
BACTERIAL CONTAMINATION of hydrotherapy equipment, 318
BALLOON (INTRA-AORTIC) PUMPING and neurologic abnormality of lower extremity, 575 (abs)
BARUCH ESSAY, S. G. Perlman, 81
BELOW KNEE BRACING effect on knee movement, 179
BENCH STEP TESTING of exercise capacity, unreliable gauge after recent myocardial infarction, 553
BENDER, L. F., 38
BIO-FEEDBACK (letters to editor), 483
. . . and perception of muscular tension, 28
. . . of electromyography in treatment of spasmodic torticollis, 403
BLACK patient stroke recovery predictors, 264
BLADDER, NEUROGENIC
. . . continent vesicostomy, 579 (abs)
. . . cystometry and electromyography, 568 (abs)
. . . intermittent catheterization, 439, 589 (abs)
. . . meladrazine, 344
. . . padding up for females, 591 (abs)
. . . sphincterotomy and erectile function, 587 (abs)
. . . training plus Lioresal, 587 (abs)
BLOCK of peripheral nerves with phenol, 13
BLOOD FLOW after short-wave diathermy, 217
BLOOD VOLUME and hemodynamic changes during hypertension in quadriplegia, 583 (abs)
BODY COMPOSITION and arm pedaling training regimen, 418
BONE METABOLISM in quadriplegia, dissociation between calciuria and hydroxyprolinuria, 565 (abs)
BONE MINERAL CONTENT, relationship to muscle strength in normal subjects, 508
BONE MINERALIZATION in hemiplegia, 583 (abs)
BONY PROMINENCE protection by wheelchair cushions, 460
BOOK REVIEWS
American Foundation for the Blind, An Introduction to Working With the Aging Person Who Is Visually Handicapped, American Foundation for the Blind, Inc., 1972, 47
Anderson, A Manual of Lower Extremities Orthotics, Thomas, 1973, 48
Basmajian, Muscles Alive: Their Functions Revealed by Electromyography (Third Edition), Williams and Wilkins, 1974, 437
Berni, Behavior Modification and the Nursing Process, Mosby, 1973, 392
Bird, Talking With Patients (Second Edition), Lippincott, 1973, 98

Blount, The Milwaukee Brace, Williams and Wilkins, 1973, 45
Bourdillon, Spinal Manipulation (Second Edition), Appleton-Century-Crofts, 1973, 436
Bruce, A Practical Manual for the Parents of Children With Myelomeningocele, Allegheny County Easter Seal Society for Crippled Children and Adults, 47
Bzoch, Communicative Disorders Related To Cleft Lip And Palate, Little, Brown and Co., 1972, 240
Ciba Foundation Symposium 16, C. A. Starr, Chairman, Medical Care of Prisoners and Detainees, American Elsevier, 1973, 437
Close, Functional Anatomy of the Extremities: Some Electronic and Kinematic Methods of Study, Thomas, 1973, 99
Comroe, Annual Review of Physiology, Volume 35, Annual Reviews, 1973, 44
Creger, Annual Review of Medicine, Volume 24, 1973, Annual Reviews, 1973, 100
Cull, Rehabilitation of the Urban Disadvantaged, Thomas, 1973, 437
Daniels, Muscle Testing. Techniques of Manual Examination (Third Edition), Saunders, 46
Davidson, Rehabilitation Administration Procedures for Extended Care Facilities, Thomas, 1973, 98
DePalma, Surgery of the Shoulder (Second Edition), Lippincott, 1973, 46-47
Ehrlich, Total Management of the Arthritic Patient, Lippincott, 1973, 47
Forrester, The Radiology of Joint Diseases, Saunders, 1973, 48
Friedman, Visual Anatomy, Volume III, Back and Limbs, Harper and Row, 1972, 329
Friedmann, Freedom From Backaches, Simon and Schuster, 1973, 330
Frost, Bone Modeling and Skeletal Modeling Errors, Thomas, 1973, 240
Gardner, Structure of the Human Body (Second Edition), Saunders, 1973, 97
Garrett, Rehabilitation Practices With The Physically Disabled, Columbia University Press, 1973, 329
Hardy, Social and Rehabilitation Services for the Blind, Thomas, 45
Holler, Human Services Technology, Mosby, 1973, 329
Honig, The Awakening Nightmare. A Breakthrough in Treating the Mentally Ill, Dell, 1973, 329
Kamenetz, Dictionaire de Medecine Physique de Reeducation et Readaptation Fonctionnelles, Librairie Maloine S. A. Editeur, 1972, 48
Karselis, Descriptive Medical Electronics and Instrumentation, Slack, 1973, 330
Lagrot, Radiodermites Des Mains, Doin Editeurs, 1973, 330
Lenneberg, The Ostomy Handbook, United Ostomy Association, 1973, 240
Levine, Pharmacology: Drug Actions and Reactions, Little, Brown and Co., 1973, 99
Lowenfel, The Visually Handicapped Child in School, John Day, 1973, 46
Lowry, Camping Therapy: Its Uses in Psychiatry and Rehabilitation, Thomas, 1974, 392
Lydon, Concept Development for Visually Handicapped Children: A Resource Guide for Teachers and Other Professionals Working in Educational Settings, American Foundation for the Blind, 1973, 240
Miller, Freedom From Heart Attacks, Simon and Schuster, 1972, 330
Nashold, Lumbar Disc Disease. A Twenty-Year Clinical Follow-up Study, Mosby, 47
Pearson, Physical Therapy Services in the Developmental Disabilities, Thomas, 1972, 44
Purtilo, The Allied Health Professional and the Patient—Techniques of Effective Interaction, Saunders, 1973, 47
Robinault, Functional Aids for the Multiply Handicapped, Harper and Row, 1973, 436
Rusk, A World to Care for, Random House, 44
Schildkrout, Human Figure Drawings in Adolescence, Brunner/Mazel, 1972, 98
Scott, About Epilepsy (Revised Edition), International Universities Press, 1973, 329
Scott, Current Controversies in Urologic Management, Saunders, 1972, 45
Skelly, Glossectomee Speech Rehabilitation, Thomas, 1973, 100
Simpson, Clinical Evaluation of the Nervous System, Little, Brown and Co., 1973, 437
Waldhorn, Rehabilitation of the Physically Handicapped Adolescent, Day, 1973, 99
Wilson, Problem Pregnancy and Abortion Counseling, Family Life Publications, 1973, 99
Woodburne, Essentials of Human Anatomy, Oxford University Press, 1973, 284
Wu, Behavior and Illness, Prentice-Hall, 1973, 284
Zohman, Progress in Cardiac Rehabilitation: Medical Aspects of Exercise Testing and Training, Intercontinentae Medical Book Corporation, 1973, 436
BRACE AND SHOE clinic, 475
BRACE, Verlo, for children with myelomeningocele and spinal cord injury, 231
BRACES, lower extremity, paraplegic use, 310
BRACHIAL PLEXUS compression associated with sternal splitting surgery, a retrospective and prospective study, 575 (abs)
BRACHIAL PLEXUS INJURY orthoses, 134
BRAIN-DAMAGED patient and automobile driving, 590 (abs)
BRAIN-STEM NEOPLASM and postoperation orthostatic hypotension, 471
BUCK'S TRACTION BOOT for home use, 480
BUMPERS for wheelchairs, 141
BURNS, complicated by shoulder weakness, 588 (abs)

C

C4 SPARED QUADRIPLEGIA, 581 (abs)
CARDIAC exercise tolerance after infarction, testing, 553
CARDIAC HYPERTROPHY in response to exercise, 539
CARDIAC REHABILITATION for complicated myocardial infarctions and other cardiac disabilities, 584 (abs)
. . . drug effects on exercise performance, 576 (abs)
. . . exercise prescription, 296
. . . ischemic heart disease, 564 (abs)
. . . key pulse rate, 255
. . . myocardial infarction survival, 580 (abs)
. . . of amputees with ischemic heart disease, 583 (abs)
. . . stress test interpretation, 596 (abs)
. . . stress test monitoring, 586 (abs)
CARDIOTACHOMETRIC indicator of energy expenditure, 260
CARDIOVASCULAR arm pedaling training program, 418
. . . dynamics and jogging, 301
CARE of stroke patients, patterns and epidemiology, 398
CARPAL TUNNEL SYNDROME, a multi-occupational disease, 587 (abs)
. . . mechanism, 588 (abs)

CATHETER elimination using the intermittent catheterization technique, 589 (abs)
CATHETERIZATION, intermittent, in rehabilitation nursing, 439
CENTRALLY ACTING skeletal-muscle relaxants, 369
CEREBRAL PALSY, predictive value of selected clinical signs for eary prognostication of motor function, 583 (abs)
CEREBRAL SENSORY CORTICAL ABLATION effects on instrumental reconditioned reflex in cats with cerebellar lesions, 595 (abs)
CEREBRAL VASCULAR OCCLUSIONS, ambulation and lateralization, 564 (abs)
CEREBROVASCULAR DISORDERS, prediction of rehabilitation, 545
CERVICAL RADICULITIS, methods and results of treatment in 82 patients, 585 (abs)
CHANGING ROLES and disagreement in families with disabled husbands, 272
CHARCOT MARIE TOOTH disease and kyphoscoliosis, 576 (abs)
CHARCOT'S JOINTS in diabetes mellitus, evaluation, pathogenesis and management, 579 (abs)
CHEMICAL changes in muscle after tenotomy, 193
CHILD, handicapped, health level measurement, 582 (abs)
CHILDREN, amputation from train-electric burn injury, 71
. . . and teenagers, head injury prognosis, 590 (abs)
. . . muscular strength, 583 (abs)
. . . pharmacology of dantrolene sodium, 388
. . . quantitative standards for muscular strength, 490
. . . retarded, motor deficit, 393
. . . with myelomeningocele and spinal cord injury, Verlo brace, 231
. . . with spasticity, effect of dantrolene, 384
CHRONIC OBSTRUCTIVE LUNG DISEASE, postural relief of dyspnea, 494
CINEFLUOROSCOPY in diagnosis of shoulder impairment, 424
CLINICAL ASSESSMENT and pharmacologic therapy of spasticity, 344
CLINICAL NOTES
. . . air-current treatment for decubitus ulcers, 138
. . . arteriovenous malformation of the spinal cord, case report, 137
. . . combined brace and shoe clinic, 475
. . . disinfecting hydrotherapy equipment, 318
. . . early rehabilitation in workmen's compensation, 316
. . . efficacy of physiatric management of linear scleroderma, 428
. . . endoskeletal prostheses, use in patient having ipsilateral fore- and hind-quarter amputations, 89
. . . independent condom application for urinary drainage in C6 quadriplegia, 320
. . . lumbosacral plexopathy caused by retroperitoneal hemorrhage, report of two cases, 91
. . . orthostatic hypotension following surgery on brainstem neoplasms, report of two cases, 471
. . . swallowing training for dysphagic patients, 467
. . . therapeutic horseback riding for the handicapped, 473
. . . urine drainage system for improved quadriplegic independence, 139
COLD HYPERSENSITIVITY, a simple method for its reduction, 119
COLD STRESS in normals and traumatic quadriplegia, 485
COLLES' FRACTURE, physical therapy for, 130
COMBINED BRACE AND SHOE CLINIC, 475
COMMUNICATION DEVICE for paralyzed patients, 94
COMMUNITY-BASED group counseling for isolated persons, 566 (abs)
COMPARISON of air cystometry with patient in supine and seated positions, 186
COMPENSATION, workmen's, and early rehabilitation, 316
CONCEPT of key pulse rate in coronary rehabilitation, 255
CONDOM APPLICATION for urinary drainage, 320
CONGRESS, American, of Rehabilitation Medicine
. . . abstracts, 51st annual session, 562
. . . Baruch essay, 81
. . . essay contest winner, 460
. . . officers and committees, 143
. . . preliminary program, 51st annual session, 283
CONSUMER role on rehabilitation team, 591 (abs)
CONTINENT VESICOSTOMY, a new approach to neurogenic bladder, 579 (abs)
CONTRACTILE PROPERTIES of skeletal muscle in mouse muscular dystrophy, effect of exercise, 591 (abs)
. . . of soleus muscle during development in normal and dystrophic mice, 531, 591 (abs)
CONTRACTILITY of skeletal muscle and dantrolene, 338, 355
. . . of urinary bladder, action of imipramine, 166
COPING with a disability, sliding scale of goals, 556
CORONARY HEART DISEASE rehabilitation, supervised community group exercise programs, 585 (abs)
CORTICOSTEROID injections in frozen shoulder, 209
CORTICOTROPIN effects on myoneural junctions and striated muscles in hamsters, 565 (abs)
CREATINE PHOSPHOKINASE changes after EMG, 565 (abs)
C.R.U.M.B.S., methodologic approach for quantitative evaluation of patient performance in rehabilitation, 574 (abs)
CURARE, regional intravenous perfusion in study of motor unit, 152
CURRICULUM OBJECTIVES in rehabilitation medicine, results of a survey, 289, 563 (abs)
CURRICULUM PLANNING for PM&R residency, 285
CYSTOMETRY and electromyography in diagnosis and management of neurogenic bladder dysfunction, 568 (abs)
. . . air, in supine and seated position, 186

D

DANTROLENE control of skeletal muscle contraction, 362
. . . in treatment of spasticity, 344
. . . site of action, 362
DANTROLENE SODIUM and spasticity, 373
. . . in children with spasticity, 384
. . . its effect on extrafusal muscle fibers, 355
. . . pharmacology in children, 388
DAY CARE for adults, 567 (abs)
. . . in rehabilitation, 565 (abs)
DAY CENTER for disabled adults, 567 (abs)
DEAFNESS, neurosensory, and acupuncture, 595 (abs)
DECUBITIS ULCERS, air current treatment, 138
. . . healing effect of an enzymatic spray, 517
. . . role of pressure and friction in causation, 147
DEGENERATIVE JOINT DISEASE in lower extremity amputees, 569 (abs)
DENERVATED MUSCLE and synergistic tenotomy, 574 (abs)
DENERVATED SKELETAL MUSCLE, overwork and muscle proteins, 202

DETRUSOR MUSCLE ACTIVITY in relation to abdominal muscle activity, electromyographic evaluation in man, 577 (abs)
DEVELOPMENT of quantitative standards for muscle strength in children, 490
DEVELOPMENTAL CHANGES in contractile properties of skeletal muscle in normal and dystrophic mice, 531, 591 (abs)
DIABETES MELLITUS, Charcot's joint, 579 (abs)
. . . H-reflex latency and sensory conduction velocity, 126
DIABETIC AMYTROPHY, a more diffuse process than clinically suspected, 568 (abs)
DIABETIC PERIPHERAL NEUROPATHY, progression of clinical and nerve conduction abnormalities, 563 (abs)
DIABETIC POLYRADICULOPATHY, syndrome in need of definition, 592 (abs)
DIATHERMY, short wave, and local blood flow, 217
DIPLOMATES, 1973, of American Board of Physical Medicine and Rehabilitation, 43
. . . 1974, of American Board of Physical Medicine and Rehabilitation, 529
DIRECTORY of 1974 societies in physical medicine and rehabilitation in U. S., 530
DISABILITY, coping, and sliding scale of goals, 556
. . . physical, and socioeconomic disadvantaged, 65
. . . triumph over, photo report on Smithsonian Institution exhibit, 145
DISABLED, day care, 567 (abs)
. . . housing for, 447
. . . nursing home environment, 566 (abs)
. . . population, physiatric analysis, 562 (abs)
DISABLED HUSBAND and family role changes, 272
DISCHARGE PLANNING in an acute hospital, 588 (abs)
DISCRIMINATION by insurance industry against hand-control drivers, 443
DISINFECTING hydrotherapy equipment, 318
DISSEMINATION of rehabilitation medicine research, the research brief, 578 (abs)
DISTAL SENSORY LATENCY, radial nerve, 314
DRUG EFFECTS on exercise performance, in testing and training, 576 (abs)
DYSPHAGIA, swallowing training, 467
DYSPHAGIA THERAPY, 571 (abs)
DYSPNEA in C.O.L.D., postural relief, 494
DYSTROPHIA MUSCULARIS in mice, contractile properties, 531, 591 (abs)

E

EARLY REHABILITATION in workmen's compensation, 316
ECONOMIC DISADVANTAGED and physical disability, 65
EDITORIALS
. . . acupuncture, dilemmas, problems, perspectives, 524
. . . historic first, 1
. . . ITE-74, 326
. . . problems in teaching and training in rehabilitation medicine, 324
. . . spasticity symposium, 331
EDITORIAL BOARD of Archives of PM&R, new members
. . . A. S. Abramson, 188
. . . P. J. Corcoran, 188
. . . R. H. Jebsen, 189
. . . J. Perry, 189
EFFECT of below-knee bracing on knee movement, biomechanical analysis, 179
EFFICACY of physiatric management of linear scleroderma, 428
ELECTRIC BED CONTROL, mechanical assist for quadriplegic patients, 562
ELECTRIC BURN-TRAIN INJURIES and amputations in children, 71
ELECTRIC STIMULATION for foot drop, 593 (abs)
ELECTRODIAGNOSTIC studies in alcoholism, 595 (abs)
ELECTRODIAGNOSTIC TESTING, strength-duration curves, 56
ELECTROMYOGRAPHIC reporting errors, 575 (abs)
ELECTROMYOGRAPHIC FINDINGS in lower extremities of patients with high spinal cord injury, 16
ELECTROMYOGRAPHY (See also Nerve Conduction Studies)
. . . after posterior tibial tendon transfer, 124
. . . auditory feedback, 251
. . . biofeedback in spasmodic torticollis, 403
. . . diabetic amyotrophy, 568 (abs)
. . . effect on serum CPK activity, 565 (abs)
. . . in infants and children, 569 (abs)
. . . in meningomyelocele, 569 (abs)
. . . in micturition, 577 (abs)
. . . in neurogenic bladder, 568 (abs)
. . . in practice of rehabilitation medicine, therapeutic applications, 564 (abs)
. . . in suprascapular neuropathy, 424
. . . in tension myalgia, 28
. . . insertional activity, 576 (abs)
. . . letters to editor, 96
. . . screening for toxic neuropathy in a large industrial population, 576 (abs)
EMBOLISM, pulmonary, in acute spinal cord injury, 275
ENDOSKELETAL PROSTHESES, use in patient having ipsilateral fore- and hind-quarter amputations, 89
ENDURANCE and strengthening exercise adaptations, protein changes in skeletal muscles, 513
ENDURANCE TRAINING by arm pedaling, 418
ENERGY COST of ambulation with pneumatic orthosis, 573 (abs)
ENERGY EXPENDITURE in below-knee amputees, correlation with stump length, 111 (erratum, 330)
. . . on the job, an approach to its assessment, 260
ENVIRONMENTAL aspects of rehabilitation, teaching of medical students, 294
ENZYMATIC spray for decubitus ulcers, 517
ENZYME changes in muscle after tenotomy, 193
ENZYMES, muscle and serum and LDH in interstitial myofibrositis, 23
EPIDEMIOLOGY and patterns of care of stroke patients, 398
ERECTILE function decrease following sphincterotomy in spinal cord patients, 587 (abs)
ERGOMETRY in the clinical evaluation of parkinsonism, 246
ERRATA
. . . re 55:33-38, 1974 (N. Chino), 281
. . . re 55:111-119, 1974 (Gonzales), 330
EVALUATION SYSTEM for rehabilitation, 586 (abs)
EXAMINATION programmed formats in rehabilitation medicine, 235
EXERCISE, aerobic and arm pedaling training regimen, 418
. . . and cardiovascular dynamics, 301
. . . and protein changes in skeletal muscle, 513
. . . and ventricular weight in rat, 539
. . . breathing, in C.O.L.D., 494
. . . effect on contractile properties of skeletal muscles in mouse muscular dystrophy, 591 (abs)
. . . for rheumatoid hand, device, 477
. . . group, in cardiac rehabilitation, 585 (abs)
. . . performance and drug effects, 576 (abs)

. . . pre- and postnatal program, 566 (abs)
. . . prescription, 595 (abs)
. . . stress test interpretation for cardiac diagnosis and functional evaluation, 596 (abs)
. . . tolerance indicated by heart rate, 589 (abs)
EXERCISE CAPACITY after myocardial infarction, testing, 553
EXERCISE PRESCRIPTION and the postcoronary patient, 296
EXTREMITY, lower, amputee rehabilitation, 454

F

F-WAVE CONDUCTION VELOCITY in central segment of the peroneal and tibial nerves, 577 (abs)
FACILITATION of strength by superimposed stretch, 305
FAIRLEY TEST, an aid in diagnosis of pyelonephritis in paraplegia, 279
. . . and IV urogram as markers of pyelonephritis, 584 (abs)
FAMILY DISAGREEMENTS with role change of disabled husbands, 272
FEEDBACK (see also Biofeedback)
. . . of EMG in treatment of spasmodic torticollis, 403
. . . of EMG sounds to inhibit undesired motor activity, 251
FLEXION REFLEX, electrically induced, in gait training of hemiplegic patients, induction of reflex, 577 (abs)
. . . therapeutic trial, 578 (abs)
FLEXOR HINGE SPLINT, modification to allow radial deviation, 322
FLEXOR SPASMS management with Lioresal, 465
FLEXOR TENDON contribution to carpal tunnel syndrome, 588 (abs)
FOOT-DROP correction by electric stimulation, 593 (abs)
FORCES in maintenance of normal stance, 74
. . . on the knee with below knee bracing, 179
FRACTURE, Colles', physical therapy, 130
FRICTION, and pressure in causation of decubitus ulcers, 147
FROZEN SHOULDER, arthrography, 205
. . . treatment by local injections of depot corticosteroids, 209
FUNCTION and physical therapy after Colles' fracture, 130
FUNCTIONAL DISABILITY and changes in life style of stroke survivors in the Framingham study, 570 (abs)
FUNCTIONAL EVALUATION, implications in patient care, physical education and medical audit, 573 (abs)

G

GABA in management of flexor spasms, 465
GERIATRIC bilateral lower extremity amputees, 101
GLOMERULAR FILTRATION RATE, measured by inulin clearance, 522
GOAL SETTING, joint patient-staff method, 87
GOALS in coping with disability, 556
GROUP REHABILITATION of vascular surgery amputees, 579 (abs)
GYM, for rheumatoid hand, 477

H

H-REFLEX, review and classification with suggested clinical uses, 412
. . standardization and diagnostic use in S1 radiculopathy, 161
H-REFLEX LATENCY and sensory conduction velocity in normal and diabetic subjects, 126
HAND-CONTROL DRIVERS, comparison of driving records and insurance rates with those of nonrestricted drivers, 443
HAND FUNCTION following total metacarpophalangeal joint replacement in patients with rheumatoid arthritis, 585 (abs)
HAND GYM, an exercise apparatus for patient with rheumatoid arthritis, 477
HARPUDER, K., in memoriam, 528
HEAD INJURIES in children and teenagers, prognosis, 590 (abs)
HEALTH CARE utilization by persons with chronic disabilities who have been vocationally rehabilitated, 596 (abs)
HEALTH LEVEL measurement in handicapped child, 582 (abs)
HEARING IMPAIRMENT and otologic disorders, an adult rehabilitation program, 572 (abs)
HEART WEIGHT of rat in different exercises, 539
HEATING of muscle by microwaves at 915 and 433.92 megahertz, 213
HEMIPLEGIA
. . . ambulation and lateralization, 564 (abs)
. . . and long term rehabilitation hospital, 582 (abs)
. . . arthrography of shoulder, 49
. . . bone mineralization, 583 (abs)
. . . cost of care, 4
. . . electrically induced flexion reflex, induction of reflex, 577 (abs)
. . . electrically induced flexion reflex, therapeutic trial, 578 (abs)
. . . epidemiology and patterns of care, 398
. . . functional disability, 570 (abs)
. . . neurophysiologic mechanisms of spasticity, 338
. . . patients, epidemiology and patterns of care, 398
. . . postural effects on ventilation, 571 (abs)
. . . predictors of recovery, 264
. . . rehabilitation predictive factors, 545
. . . rehabilitation success, 449
. . . sexual activity, 578 (abs)
. . . shoulder-hand syndrome, 567 (abs)
. . . shoulder sling, friend or foe, 519
. . . stroke diagnosis, 586 (abs)
. . . vocational success, 269
HEMODIALYSIS, vocational rehabilitation of patients on, 60
HEROIN ADDICT on rehabilitation ward, 431
HISTOCHEMICAL response of rat phosphorylase to different workloads after tenotomy of synergists, 198
HISTORIA obscura hemiplegiae (Zeiter lecture), 4
HISTORIC FIRST (editorial), 1
HOME CARE SERVICES for the disabled, 447
HORSEBACK RIDING for the handicapped, 473
HOUSING for the disabled, a follow-up study, 447
HYDROTHERAPY, equipment disinfection, 318
HYPERSENSITIVITY to cold, 119
HYPERTENSION, orthostatic, following surgery for brainstem neoplasm, 471
HYPERTENSION AND AGE and stroke recovery in blacks, 264
HYPERTENSIVE CRISES in quadriplegia, 583 (abs)
HYPERTROPHY of muscle and phosphorylase activity, 198

I

IMPEDANCE PLETHYSMOGRAPHY, a useful method in diagnosis of deep vein thromboplebitis in lower extremity, 170
IMPRISONMENT of patients in course of rehabilitation, 593 (abs)

IN MEMORIAM, K. Harpuder, 528
INDEPENDENT CONDOM APPLICATION for urinary drainage in C6 quadriplegia, 320
INDUSTRIAL aspects of carpal tunnel syndrome, 587 (abs)
INFORMATION CONTENT of myo-control signals for orthotic and prosthetic systems, 52
INSURANCE and automobile driving hand controls, 443
INTEGRATED FIRST-YEAR RESIDENCY training program in physical medicine and rehabilitation, 293
INTERMITTENT CATHETERIZATION as a rehabilitation nursing service, 439
INTERSTITIAL MYOFIBROSITIS, serum and muscle enzymes and lactate dehydrogenase-isoenzymes, 23
INULIN CLEARANCE as screening test for kidney function, 522
ISOLATED PERSONS, group counseling, 566 (abs)
ISOMETRIC STRENGTH and superimposed stretch, 305
ITE-74 (editorials, 326)

J

JOGGING in middle-aged men, effect on cardiovascular dynamics, 301

K

KEY PULSE RATE in coronary rehabilitation, 255
KIDNEY FUNCTION screening by inulin clearance, 522
KNEE MOVEMENT, effect of below knee bracing, 179
KYPHOSCOLIOSIS associated with Charcot Marie Tooth disease, 576 (abs)

L

LACTATE DEHYDROGENASE-ISOENZYMES in interstitial myofibrositis, 23
LATERALIZATION in cerebral vascular accidents as a factor in ambulation, 564 (abs)
LETTERS TO THE EDITOR
. . . baclofen, 526
. . . bio-feedback, 483
. . . electromyography, 96
. . . Fowler, R. S., Jr., 484
. . . Gottfried, M., 190
. . . Hansen, P., 527
. . . Johnson, E. W., 96
. . . Kaplan, P. E., 142
. . . Karaharju, E. O., 525
. . . Kirby, J. F., Jr., 435
. . . Kraft, G. H., 435, 484
. . . LaJoie, W. J., 97
. . . Lepisto, P. V., 525
. . . myotonia, 435
. . . Olson, V. L., 525
. . . Pasila, M., 525
. . . Pedersen, E., 527
. . . physical therapy, 525
. . . positive waves, 142
. . . Roussan, M. S., 527
. . . Truong, X. T., 435, 483
. . . waterbeds, 190
. . . Waylonis, G. W., 142
. . . Weinstein, B., 190
. . . Wickramasekera, I., 483
LIORESAL in management of flexor spasms, 465
LOADING and tendon compliance, 568 (abs)
LOCAL BLOOD FLOW after short-wave diathermy, preliminary report, 217
LUMBOSACRAL PLEXOPATHY caused by retroperitoneal hemorrhage, report of two cases, 91
LUNG DISEASE, chronic obstructive, postural relief of dyspnea, 494

M

MALPRACTICE PREVENTION in physical medicine and rehabilitation field, 174
MANAGEMENT of flexor spasms with Lioresal, 465
MECHANISM of control of skeletal-muscle contraction by dantrolene sodium, 362
MECHANISMS OF SPASTICITY, 332
MEDIAN AND ULNAR motor and sensory latency relationship in same normal subject, 570 (abs)
MEDIAN NERVE ENTRAPMENT by pronator teres muscle, medical treatment, 568 (abs)
MEDICAL AUDIT and functional evaluation, 573 (abs)
MEDICAL EDUCATION
. . . editorial, 324
. . . postgraduate in PM&R, 285, 293
. . . required clerkship in rehabilitation and chronic disease, 571 (abs)
. . . undergraduate in PM&R, 294, 563 (abs)
MEDICAL REHABILITATION program evaluation, 563 (abs)
. . . success, 449
MENINGOMYELOCELE, electromyography in infants, 569 (abs)
MERALGIA PARESTHETICA, nerve conduction velocity, 31
MICROWAVES and muscle heating at 915 and 433.92 megahertz, 213
MIME as modality for language therapy and clinician training, 562 (abs)
MINIMAL CEREBRAL DYSFUNCTION in young adults, 590 (abs)
MINNESOTA IMPEDANCE CARDIOGRAPH and electrocardiograph, comparison in bicycle stress testing in early myocardial infarction patients, 586 (abs)
MOBILE velocity-controlled respirometer, 573 (abs)
MOBILITY TEST, 582 (abs)
MODULAR COMMUNICATION DEVICE for paralyzed patients, 94
MONITORED HEART RATE as indicator of exercise tolerance during therapeutic ambulation, 589 (abs)
MOTOR DEFICIT of retarded infants and young children, 393
MOTOR FUNCTION prediction in cerebral palsy, 583 (abs)
MOTOR UNIT study by regional intravenous perfusion with curare, 152
MUSCLE, afferent nerves and spasticity, 332
. . . pathologic effects of injected propylene glycol, 33
. . . protein changes with exercise, 513
. . . skeletal, centrally acting relaxants, 369
. . . skeletal, contractile properties in normal and dystrophic mice, 531
. . . skeletal, contractility; and dantrolene, 355
. . . skeletal, control of contraction by dantrolene, 369
. . . skeletal, corticotropin effects, 565 (abs)
. . . structural and chemical changes after tenotomy, 193
MUSCLE ENZYMES in interstitial myofibrositis, 23
MUSCLE HEATING produced in hog specimens by microwaves at 915 and 433.92 megahertz, 213
MUSCLE HYPERTROPHY and phosphorylase activity, 198
MUSCLE PROTEINS and overwork during reinnervation, 202

MUSCLE STRENGTH and bone mineral content, 508
. . . ipsilateral and contralateral effects of superimposed stretch, 305
MUSCLE WEIGHT and protein content of rat skeletal muscle following sciatic nerve crush, 241
MUSCULAR DECONDITIONING, its prevention in space flight, 592 (abs)
MUSCULAR DYSTROPHY, in mice, effect of exercise on contractile properties, 591 (abs)
MUSCULAR STRENGTH in children, 490
. . . of dominant and non-dominant extremities in children, 583 (abs)
MYALGIA associated with tension, 28
MYELOMENINGOCELE, Verlo brace for children, 231
MYOCARDIAL INFARCTION, exercise prescription, 296
. . . survival factors, 580 (abs)
MYOCONTROL SYSTEM, information content, 52
MYOFIBROSITIS, serum and muscle enzymes and LDH-isoenzymes, 23
MYONEURAL JUNCTION corticotropin effects, 565 (abs)
MYOTONIA (letters to editor), 435

N

NAMING TASKS in aphasia tests, 228
NEOPLASM, brain-stem, and postoperative orthostatic hypotension, 471
NERVE BLOCKS in lower extremities, anatomic considerations, 504
NERVES, peripheral, phenol blocks, 13
NERVE CONDUCTION STUDIES and electromyography in infants and children, technical and interpretational frustrations, 569 (abs)
. . . diabetic neuropathy, 563 (abs)
. . . F-wave, peroneal and tibial, 577 (abs)
. . . in diabetics, 126
. . . in infants and children, 569 (abs)
. . . in thoracic outlet syndrome, 567 (abs)
. . . juvenile diabetes, 569 (abs)
. . . median and ulnar latencies, 570 (abs)
. . . median nerve entrapment, 568 (abs)
. . . sensory in radial, 314
. . . ulnar, 563 (abs)
. . . use of H-reflex, 412
NERVE CONDUCTION VELOCITY determination in juvenile diabetes, 569 (abs)
NEUROAUGMENTIVE SURGERY, 564 (abs)
NEUROLOGIC abnormality of lower extremity associated with balloon pumping, an evolving concept, 575 (abs)
NEUROLYSIS by phenol, 13
. . . by propylene glycol, 33
NEUROPATHY, toxic, in industrial population screening, 576 (abs)
NEUROPHYSIOLOGIC basis of spasticity, 332
. . . mechanisms of hemiplegic and paraplegic spasticity, implications for therapy, 338
NORMAL conduction velocity in lateral femoral cutaneous nerve, 31
NOSOCOMIAL INFECTIONS and hydrotherapy equipment, 318
NURSING HOME environment impact on physically disabled young adults, 566 (abs)
NURSING, rehabilitation, and intermittent catheterization, 439

O

OBESITY, and physical training programs, 571 (abs)
OBITUARY, K. Harpuder, 528
OBSTRUCTIVE LUNG DISEASE, postural relief of dyspnea, 494
ORTHOSES in patients with brachial plexus injuries, 134
. . . lower extremity, paraplegic use, 310
ORTHOSTATIC HYPOTENSION following surgery on brain-stem neoplasms, report of two cases, 471
ORTHOTIC myoelectric control signal, 52
OVERWORK of denervated skeletal muscle, effect on muscle proteins in rats, 202
OXYGEN CONSUMPTION and cardiac exercise tolerance after infarction, 553
. . . by below-knee amputees, 111

P

PADDING-UP, acceptable alternative to retention catheter in spinal injured females, 591 (abs)
PAIN and acupuncture, 595 (abs)
. . . and muscular tension, 28
. . . and neurostimulators, 564 (abs)
. . . transcutaneous electrical stimulation, 592 (abs)
PARAPLEGIA and sexual function, 221
. . . pyelonephritis and Fairley test, 279
PARAPLEGIC use of walking braces, a survey, 310
PARKINSONISM, clinical evaluation by ergometry, 246
PATHOLOGY OF PROPYLENE GLYCOL administered by perineural and intramuscular injection in rats, 33 (erratum, 281)
PATIENT PARTICIPATION in goal setting, 87
PERCEPTION of tension in tension myalgia, 28
PERIPHERAL VESSEL, structural and functional evaluation by ultrasonic, bioelectronic and angiographic measurements, 580 (abs)
PERONEAL NEUROPATHY, traumatic, 589 (abs)
PHARMACOLOGIC
. . . baclofen, 344, 369, 526
. . . barbiturates, 344
. . . centrally acting relaxants of skeletal muscle, 369
. . . chlorpromazine, 344
. . . chlorzoxazone, 369
. . . dantrolene, 338, 344, 355, 362, 373, 384
. . . diazepam, 338, 344, 369
. . . granulex spray, 517
. . . imipramine and urinary bladder contractility, 166
. . . levodopa, 246
. . . lioresal, 465, 587 (abs)
. . . meladrazine, 344
. . . mephenesin, 344, 369
. . . meprobamate, 369
. . . nine-alpha-fluorohydrocortisone, 471
. . . phenylephrine hydrochloride, 471
. . . therapy of spasticity, 344
PHARMACOLOGY of dantrolene sodium in children, 388
. . . of phenol in peripheral nerve blocks, a review, 13
PHENOL NERVE BLOCK, skeletal muscle changes, 585 (abs)
PHOSPHORYLASE ACTIVITY and muscle hypertrophy, 198
PHYSIATRIC ANALYSIS of selected disabled population, 562 (abs)
PHYSIATRIC MANAGEMENT of linear scleroderma, 428
PHYSICAL DISABILITY and socioeconomic disadvantaged, 65
PHYSICAL MEDICINE AND REHABILITATION
. . . integrated residency program, 293
. . . malpractice prevention, 174
. . . residency objectives, 590 (abs)
. . . societies in U.S.A., 1974, 530

PHYSICAL MEDICINE pre- and postnatal program in community hospital, 566 (abs)
. . . reflections and predictions, 2
PHYSICAL THERAPY after Colles' fracture, 130
. . . letters to editor, 525
PHYSICAL TRAINING programs for rehabilitating severely obese patients, 571 (abs)
PHYSIOLOGICAL responses to cold stress in healthy subjects and in subjects with cervical cord injuries, 485
PLETHYSMOGRAPHY, impedance and deep venous thromboplebitis of lower extremity, 170
PNEUMATIC ORTHOSES for paraplegics, 586 (abs)
PNEUMATIC ORTHOSIS effect on energy cost in paraplegic ambulation, 573 (abs)
POSITIVE WAVES (letters to editor), 142
POSTERIOR TIBIAL tendon transfers in neuromuscular conditions other than anterior poliomyelitis, 124
POSTURAL dependence of ventilatory function in normal hemiplegic and quadriplegic man, 571 (abs)
PREDICTIONS for physical medicine, 2
PREDICTIVE FACTORS in stroke rehabilitation, 545
PRESCRIPTION of exercise, role of physiatrist, therapist and allied health professional, 594 (abs)
PRESSURE and friction, in causation of decubitus ulcers, 147
. . . under bony prominences and wheelchair cushions, 460
PRIMARY NURSE, facilitator of team communication, 587 (abs)
PROBLEM-ORIENTED approaches to patient evaluation conferences, 580 (abs)
. . . method for measuring medical rehabilitation outcomes, 573 (abs)
PROBLEMS in teaching and training in rehabilitation medicine, 324
PROGRAMED examination formats, use in rehabilitation medicine, 235
PRONATOR TERES and median nerve entrapment, 568 (abs)
PROPYLENE GLYCOL NEUROLYSIS in rats, 33
PROSTHESIS, temporary, in amputee management, 409
PROSTHETIC myoelectric control signals, 52
PROSTHETICS, ORTHOTICS, AND DEVICES
. . . electric bed control, 562
. . . flexor hinge splint, 322
. . . for brachial plexus injuries, 134
. . . for ipsilateral fore- and hind-quarter amputations, 89
. . . hand gym, 477
. . . modular communication device, 94
. . . myoelectric signals, 52
. . . polysar temporary prosthesis, 409
. . . rotating table, 481
. . . traction boot, 480
. . . Verlo brace, 231
. . . wheelchair bumpers, 141
PROTEIN, muscular, changes with exercise, 513
PROTEIN CONTENT of skeletal muscle during reinnervation, 241
PSYCHOLOGICAL, social and vocational adjustment to spinal cord injury, 562 (abs)
PULMONARY EMBOLISM in acute spinal cord injury, 275
PULSE RATE in coronary rehabilitation, 255
PYELONEPHRITIS, Fairley test and IV urogram, 584 (abs)
. . . in paraplegia, Fairley test, 279

Q

QUADRIPLEGIA (See also Spinal Cord Lesions)
. . sequel of therapeutic cervical traction with occult epidural prostatic metastasis, 577 (abs)
. . . urine drainage system, 139
. . . with C4 spared, experience with 27 patients, 581 (abs)
QUADRIPLEGIC wheelchair propulsion, 183
QUANTITATIVE study of stance in normal subjects, 74

R

RADIAL DEVIATION with flexor hinge splint, 322
RADIAL NERVE, sensory conduction, 314
RADIATION MYELITIS, 590 (abs)
RADICULOPATHY, cervical, treatment of, 585 (abs)
. . . diabetic, 592 (abs)
. . . of S1 and H reflex, 161
REFLECTIONS on physical medicine, 2
REFLEX, flexor, modification by Lioresal, 465
. . . H reflex, 344, 412
. . . micturition, 344
. . . myotatic, in spasticity, 332, 338
. . . primitive in retarded children, 393
. . . T reflex, 344
. . . tonic vibration, 332, 344
REFLEX, FLEXOR, 344
REHABILITATION
. . . adoption of sick role, 588 (abs)
. . . and chronic disease clerkship, 571 (abs)
. . . and day care, another alternative, 565 (abs)
. . . and imprisonment of patients, 593 (abs)
. . . and spasticity, 581 (abs)
. . . and the heroin addict, 431
. . . cardiac, exercise prescription, 296
. . . cardiac, key pulse rate, 255
. . . consumer role on the team, 591 (abs)
. . . early, in worker's compensation, 594 (abs)
. . . goal setting, patient participation, 87
. . . housing for disabled, 447
. . . in workmen's compensation, 316
. . . incidence of otologic disorders, 572 (abs)
. . . nursing, 439
. . . of alcoholism, 580 (abs)
. . . of amputees with significant cardiac disease, 583 (abs)
. . . of geriatric patients having bilateral lower extremity amputations, 101
. . . of lower extremity amputees, 454
. . . outcomes, problem-oriented method, 573 (abs)
. . . patient performance evaluation, 574 (abs)
. . . predictive factors in strokes, 545
. . . primary nurse, 587 (abs)
. . . problem-oriented conferences, 580 (abs)
. . . services predicting client return to state agency, 572 (abs)
. . . sliding scale of goals, 556
. . . social and environmental aspects, teaching, 294
. . . vocational and hemodialysis, 60
REHABILITATION EVALUATIONS which guide and teach, 586 (abs)
REHABILITATION FOLLOWUP, methodology and application, 574 (abs)
REHABILITATION MEDICINE
. . . curriculum objectives, 563 (abs)
. . . EMG, 564 (abs)
. . . planning a residency curriculum, 285
. . . programed examination formats, 235
. . . research dissemination, 578 (abs)
. . . teaching and training, 324
. . . undergraduate curriculum objectives, 289, 563 (abs)
REHABILITATION PROGRAMS in ischemic heart disease, 564 (abs)
REHABILITATION SUCCESS, 449

REINNERVATING MUSCLE, overwork and muscle proteins, 202
REINNERVATION of skeletal muscle, weight and protein content, 241
RENAL FAILURE, hemodialysis and rehabilitation, 60
RENAL FUNCTION screening by inulin clearance, 522
REPRODUCIBILITY of strength-duration curves, 56
RESIDENCY CURRICULUM PLANNING in PM&R, 285
RESIDENCY OBJECTIVES in PM&R, 590 (abs)
RESPIROMETER, mobile, velocity controlled, 573 (abs)
RETARDED infants and young children, motor deficit, 393
RETROPERITONEAL HEMORRHAGE and lumbosacral plexopathy, 91
RHEUMATOID ARTHRITIS, hand gym for, 477
RHEUMATOID CERVICAL LUXATIONS, pathology and management, 587 (abs)
RIDING, horseback, for the handicapped, 473
RIGHT TO KNOW, giving patient his medical record, 572 (abs)
ROLE of physical therapy in recovery of function after Colles' fracture, 130
ROLE CHANGES and disagreement in families with disabled husbands, 272
ROTATOR CUFF TEAR, arthrography, 205
. . . versus suprascapular nerve injury, problem in differential diagnosis, 424
ROTATING TABLE for high level quadriplegic, 481
RUSK, H. A., 39

S

SACRAL ONE RADICULOPATHY and H reflex, 161
SARCOPLASMIC ACETYLCHOLINESTERASE, 594 (abs)
SCLERODERMA, linear, physiatric management, 428
SEMIRIGID (UNNA) DRESSING of amputations, 433
SENSITIVITY to cold, 119
SENSORY CONDUCTION of radial nerve, 314
SERUM ENZYME in interstitial myofibrositis, 23
SEXUAL activity in older stroke patients, 578 (abs)
. . . effects of arthritis, 570 (abs)
SEXUAL FUNCTION after sphincterotomy, 587 (abs)
. . . in the paraplegic patient, 221
SHOE AND BRACE clinic, 475
SHORTWAVE DIATHERMY and local blood flow, 217
SHOULDER frozen, corticosteroid injection, 209
. . . weakness as an unusual complication in burned patients, report of ten cases, 588 (abs)
SHOULDER ARTHROGRAPHY, 205
. . . in hemiplegic patients, 49
SHOULDER-HAND SYNDROME in hemiplegic poulation, a 5-year retrospective study, 567 (abs)
SHOULDER SLING for hemiplegia, friend or foe, 519
SICK ROLE adoption during rehabilitation, 588 (abs)
SLING for shoulder in hemiplegia, friend or foe, 519
SKELETAL MUSCLE, centrally acting relaxants, 369
. . . changes after phenol nerve block, 585 (abs)
. . . contractile properties in normal and dystrophic mice, 531
SOCIAL ASPECTS of rehabilitation, teaching of medical students, 294
SOCIOECONOMIC DISADVANTAGED and physical disability, 5
SOCIOECONOMIC FACTORS affecting vocational success of stroke patients, 269
SPACE FLIGHT, prevention of muscular deconditioning, 592 (abs)
SPASMODIC TORTICOLLIS, treatment by feedback display of EMG, 403
SPASTICITY and the effect of dantrolene sodium, 373
. . . clinical assessment, 344
. . . evaluation from rehabilitation point of view, 581 (abs)
. . . in children, 384
. . . management with Lioresal, 465
. . . mechanisms, 332
. . . neurophysiologic mechanisms, 338
. . . of lower extremities, nerve blocks, 504
. . . pharmacologic therapy, 344
. . . pharmacology of dantrolene in children, 388
. . . pharmacology of phenol nerve blocks, 13
SPASTICITY SYMPOSIUM, 331
SPEECH EVALUATION, naming tasks in aphasia tests, 228
SPEECH PATHOLOGIST and swallowing training, 467
SPEECH THERAPY, mime, 562 (abs)
SPINAL CORD INJURY, review of experimental implications for clinical prognosis and treatment, 81
. . . care systems evaluation, 574 (abs)
SPINAL CORD LESIONS
. . . adjustment to, 52 (abs)
. . . after cervical traction, 577 (abs)
. . . after heroin intravenously, 431
. . . ambulation with pneumatic orthosis, 573 (abs)
. . . arteriovenous malformation, 137
. . . autonomic dysreflexia, 583 (abs)
. . . bone metabolism, 565 (abs)
. . . C4 spared quadriplegia, 581 (abs)
. . . coagulability, 275
. . . cold stress in quadriplegia, 485
. . . condom urinary drainage, 329
. . . electric bed control, 562
. . . electromyography of lower extremities, 16
. . . evaluation of care systems, 574 (abs)
. . . Fairley test for pyelonephritis, 279, 584 (abs)
. . . hand control drivers, 443
. . . lioresal for flexor spasms, 465
. . . neurophysiologic mechanisms of spasticity, 338
. . . padding up for females, 591 (abs)
. . . paraplegic walking, 310
. . . pneumatic orthoses, 586 (abs)
. . . postural effects on ventilation, 571 (abs)
. . . pulmonary embolism, 275
. . . pyelonephritis, 584 (abs)
. . . quadriplegic wheelchair propulsion, 183
. . . radiation myelitis, 590 (abs)
. . . rehabilitation success, 449
. . . renal function, 522
. . . review of experimental implications, 81
. . . rotating table for quadriplegic, 481
. . . sexual function, 221
. . . sphincterotomy and erectile function, 587 (abs)
. . . subdural hematoma, 584 (abs)
. . . transcutaneous electrical pain control, 584 (abs)
. . . urine drainage system, 139
. . . verbal communication with nondisabled, 582 (abs)
. . . Verlo brace for children, 231
STANCE in normal subjects, 74
STANDARDIZATION of H reflex and diagnostic use in S1 radiculopathy, 161
STANDARDIZED MOBILITY TEST, clinical application, 582 (abs)
STERNAL SPLITTING surgery and brachial plexopathy, 575 (abs)
STEREOMETRIC (3-D) sensing of body form and range of motion, 575 (abs)
STRENGTH, effect of superimposed stretch, 305
. . . muscular, in children, 490
. . . of muscle, and bone mineral content, 508

STRENGTH-DURATION CURVES, reproducibility of, 56
STRENGTHENING exercise changes in skeletal muscles, 513
STRESS TEST interpretation, 596 (abs)
STRETCH, effect on isometric strength, 305
STROKE, early portents of functional recovery in black patients, 264
. . . patient fate after transfer to long term rehabilitation hospital, 582 (abs)
. . . patient vocational success, socioeconomic factors, 269
. . . patients, epidemiology and patterns of care, 398
STROKE DIAGNOSIS, essential first step in rehabilitation, 586 (abs)
STROKE PATIENTS, sexual activity, 578 (abs)
STROKE REHABILITATION, predictive factors, 545
. . . unit, systems analysis, 576 (abs)
STRUCTURAL and chemical changes in muscle following tenotomy, 193
SUBDURAL HEMATOMA of spinal cord, 584 (abs)
SUPRASCAPULAR NERVE INJURY, differentiation from rotator cuff tear, 424
SURVEY OF SELECTED LITERATURE, 438
SWALLOWING training for dysphagic patients, 467
SYNERGISTIC TENOTOMY effect on chronically denervated muscle, 574 (abs)
SYSTEMS ANALYSIS of stroke rehabilitation unit, 576 (abs)

T

TEACHING medical students social and environmental aspects of rehabilitation, 294
TEACHING AND TRAINING in rehabilitation medicine, 324
TENDON COMPLIANCE change with loading, 568 (abs)
TENOTOMY, and structural and chemical changes in muscle, 193
TENSION PERCEPTION in patients having pain associated with chronic muscle tension, 28
THERAPEUTIC HORSEBACK RIDING for handicapped, 473
THORACIC OUTLET-SLOWING, critical evaluation of established criteria for diagnosis of thoracic-outlet syndrome, 567 (abs)
THORACIC OUTLET SYNDROME following trauma, 581 (abs)
THROMBOPHLEBITIS deep, and impedance plethysmography, 170
TIBIALIS POSTERIOR tendon transfers in neuromuscular conditions other than anterior poliomyelitis, 124
TRACTION, Buck's, boot for home use, 480
TORTICOLLIS, spasmodic, biofeedback in treatment, 403
TRANSCUTANEOUS ELECTRICAL PAIN CONTROL in central pain following spinal cord injury, 584 (abs)
TRANSCUTANEOUS ELECTRICAL STIMULATION for pain, 592 (abs)
TRAPEZIUS muscle paralysis, new treatment approach through bracing, 593 (abs)
TRAUMATIC common peroneal nerve palsy, retrospective analysis, 589 (abs)
TRAUMATIC AMPUTATION in children resulting from train-electric-burn injuries, a social-environmental syndrome, 71
TREADMILL TESTING of cardiac exercise tolerance after infarction, 553
TRIUMPH OVER DISABILITY, photo report on Smithsonian Institution Exhibit, 145

U

ULCERS, decubital, enzymatic spray for, 517
. . . decubitus, air current treatment, 138
. . . role of pressure and friction in causation, 147
ULNAR NERVE conduction in normal persons and in patients with suspected ulnar nerve entrapment at the elbow, 563 (abs)
ULTRASOUND coupling agents, their relative transmissibility, 593 (abs)
UNIT, motor, study by regional intravenous perfusion with curare, 152
UNNA DRESSING of amputations, 433
URINARY BLADDER, neurogenic, and intermittent catheterization, 439
URINARY BLADDER CONTRACTILITY, action of imipramine, 166
URINARY CONDOM COLLECTOR for C6 quadriplegic, 320
URINARY TRACT INFECTION in Fairley test, 279
URINE DRAINAGE SYSTEM for improved quadriplegic independence, 139

V

VARIABLES related to success in medical rehabilitation setting, 449
VENOUS THROMBOPHLEBITIS of lower extremity, impedance plethysmography, 170
VENTILATION and posture, 571 (abs)
VERBAL COMMUNICATION between spinal cord injured and nondisabled male college students, content analysis, 582 (abs)
VERLO BRACE use in children with myelomeningocele and spinal cord injury, 231
VOCATIONAL pilot project for young adults with minimal cerebral dysfunction, 590 (abs)
VOCATIONAL REHABILITATION of patients on long-term hemodialysis, 60
. . . of physically and socioeconomically disadvantaged, 65
. . . repeat clients, 572 (abs)
. . . subsequent health care, 596 (abs)
VOCATIONAL SUCCESS of stroke patients, socioeconomic factors, 269

W

WALKING by paraplegics with braces, 310
WATERBEDS (letters to editor), 190
WEIGHT of skeletal muscle during reinnervation, 241
WHEELCHAIR BUMPERS, 141
WHEELCHAIR CUSHIONS to reduce pressure under bony prominences, 460
WHEELCHAIR PROPULSION in quadriplegic patient, 183
WORK CAPACITY evaluation after myocardial infarction, 296
WORKER'S COMPENSATION, early rehabilitation in new case management technique, 594 (abs)
WORKMEN'S COMPENSATION and early rehabilitation, 316

X

Y

Z

ZEITER LECTURE, F. J. Kottke, 4

AUTHOR INDEX

A

Abrams, K. S., 87
Abraham, R. D., 562
Abramson, A. S., 1, 587
Albers, J. W., 74
Alexander, E., 418
Alexander, J., 56, 490, 583
Anderson, A. D., 589, 593
Anderson, L. E., 590
Anderson, T. P., 545
Anderson, W. H., Jr., 568, 588
Argyros, T. G., 209
Athelstan, G. T., 562, 566
Awad, E. A., 23, 33, 193

B

Balick, S., 562
Barach, A. L., 494
Baran, E. M., 562
Barber, L., 134
Barber, M. O., 573
Barut, M., 573
Basmajian, J. V., 517
Bean, C. B., 580
Becker, M. C., 87
Bell, M. A., 246
Benjamin, H. Z., 584
Bens, D. E., 477
Berard, M., 583
Berger, B. J., 428
Berkovits, L., 583
Berni, R., 439
Beyer, R. D., 316
Bernsohn, J., 565
Betts, H. B., 585
Bhala, R. P., 563
Billmaier, D. J., 576
Bluestone, S. S., 475
Booth, A. J., 322
Borchardt, K. A., 318
Bosch, P., 577
Bourestom, N., 545
Boyarsky, S., 166
Boyd, E., 481
Braddom, R. L., 161, 289, 412, 563
Bream, J., 473
Breckenridge, K. R., 563
Brockmeyer, J. F., 124
Brown, R., 264
Brudny, J., 403, 564
Bruno, R., 571
Bruun, B., 264
Buerger, A. A., 126
Bunker, R., 186
Burgener, F. A., 205
Burke, D., 332
Burton, C. V., 564
Butler, E. T., 31
Byrd, R. J., 301

C

Campos, R. J., 485, 565
Cantwell, J. D., 553
Canzoneri, J., III, 485
Cardus, D., 260, 564
Carpenter, J. F., 362
Carpenter, J. O., 272
Carr, S. D., 460
Carter, R. E., 485, 565, 581
Cassvan, A., 564
Castell, D. O., 563
Celikyol, F., 590
Chambers, W. W., 595
Chino, N., 33
Chokroverty, M., 565
Chokroverty, S., 565
Chrissian, S. A., 565
Chu, D. S., 138, 567, 583
Chung, T-S., 582
Claus-Walker, J., 485, 565
Cockrell, J. L., 74
Cohen, B. S., 269, 565
Cohen, M. G., 565
Coleman, E., 418
Commaroto, L., 590
Corcoran, P. J., 111
Corlew, M. M., 228
Cosgrove, M. D., 577
Coyle, T. F., 566
Crewe, N. M., 566
Crihfield, C., 480
Cummings, V., 71, 569
Cunningham, D. A., 296
Cuzzi, J. R., 575

D

Davis, M. R., 566
Davis, S. W., 138, 567, 583
Dawber, T. R., 570
Dawson, M., 567
Delabarre, E. M., Jr., 235
DeLateur, B. J., 183, 213
Demopoulos, J. T., 65
DiBenedetto, M., 567
Dinsdale, S. M., 147
Diokno, A. C., 568
Ditunno, J. F., Jr., 202, 241, 179, 539, 590
Doane, B. L., 585
Domino, E. F., 369
Donovan, W. H., 424, 568
Dorfman, E., 65
Doust, V., 205
Downey, J. A., 471
Downie, R. W., 568
Dugdale, F. E., 454
Dyer, B., 590
Dyer, P. R., 564

E

Earl, W. C., 124
Eichberg, R. D., 567
Ellis, D. G., 568
Ellis, K. O., 362
Emergil, C., 573
Emmons, R., 594
Eng, G. D., 569
Erdman, W. J. II, 473
Ewing, R. S., 579
Eyring, E. J., 124

F

Fallon, T., 575
Farrar, R., 579
Farrell, K. H., 519
Feibel, A., 314, 524, 569, 587
Felsenthal, G., 13, 504, 570
Fine, H. L., 570, 578
Fitzpatrick, T. E., 570
Fitzpatrick, W. F., 221
Flannery, E., 571
Fletcher, G. F., 553
Foca, F. J., 314
Fokkema, S. D., 251
Ford, M. G., 571
Foss, M. L., 571
Fowler, R. S., Jr., 28
Fowler, W. M., Jr., 16, 152, 531, 576, 591, 594
Frederick, R. C., 585
Freedman, W., 338
Frewin, D. B., 471
Friedmann, L. W., 564
Fruchtman, B., 579
Fuentes, F., 564
Fugl-Meyer, A. R., 571

G

Gibson, C. J., 398, 571, 574
Gladstone, L., 471
Glass, D. D., 285, 572
Godfrey, M. E., 322
Goldberg, R. T., 60, 572
Goldman, A., 570, 578
Golodetz, A., 572
Gonzalez, E. G., 111
Gordon, E. E., 198, 202, 513, 539
Gordon, J. E., 562
Gordon, S. V., 583
Goulet, D. V., 575
Grabois, M., 573
Granger, C. V., 235, 572, 573
Green, R. F., 101, 447, 573, 589
Greenberg, F. R., 545
Greene, G., 562
Greer, D. S., 573
Gregory, R. T., 119
Gresham, G. E., 570
Griffin, K. M., 467
Griffith, E. R., 573, 582
Grotz, R. C., 571
Grynbaum, B. B., 403, 564
Gutfeld, N., 583
Guyton, J. D., 576

H

Hahn, H. R., 584
Halar, E., 183
Halstead, L. S., 485, 565, 574
Hamilton, B. B., 574
Hannon, H., 572
Hartley, R. B., 574
Harzog, V., 566
Haskin, M. R., 473
Haslam, R. H. A., 384, 388
Haywood, L. J., 580
Heard, L. C., 320
Herbison, G. J., 91, 198, 202, 241, 513, 539, 574
Herman, R. M., 285, 338, 581
Herron, R. E., 575
Hildyard, V. G., 545
Hinterbuchner, C., 101, 447, 573, 589

Hoenke, S., 590
Hoffer, M. M., 134
Hollis, J. B., 563
Honet, J. C., 575, 585
Hongladarom, T., 439
Horowitz, J. L., 566
Hovind, H., 217
Hsu, J., 134
Hurd, M. M., 519, 576
Hymen, M. L., 443

I

Ibrahim, G. A., 23, 193

J

Jackson, R., 584
Jaweed, M. M., 198, 202, 241, 513, 539, 574
Jebsen, R. H., 582
Johnson, E. W., 31, 161, 289, 293, 412, 563, 575, 576
Johnston, R., 179, 577, 578
Jones, W. G., 577

K

Kalisky, Z., 589
Kallman, C. H., 384
Kannel, W. E., 570
Kantrowitz, A., 575
Karaharju, E. O., 130
Kasl, S. V., 588
Kattus, A., 576
Kaye, Z. A., 31
Keith, R. A., 576
Kerstein, M. D., 454
Ketner, R. W., 566
Kewalramani, L. S., 16, 576
Kimura, J., 577
Kirby, J. F., 435
Kirby, R. L., 320
Klewano, K., 590
Koblanski, J. N., 593
Koff, S. A., 568
Korein, J., 403
Kottke, F. J., 4, 23, 33, 193, 586
Kowalski, K., 513
Kraft, G. H., 28, 424, 435
Krewer, S. E., 477
Kubicek, W. G., 586
Kuhn, H. M., 439
Kwiatkowski, S., 589

L

LaBan, M. M., 577, 581
Labay, P., 166
LaBree, J., 586
Lagasse, P., 305
LaJoie, W. J., 577
Lamb, C. R., Jr., 322
Lampman, R. M., 571
Lance, J. W., 332
Lane, M. E., 65
Laughridge, E., 418
Layzer, R. B., 152
Leavitt, L. A., 89
Lee, K-H., 179, 577, 578
Lee, M. H. M., 595
Lehmann, J. F., 2, 183, 213
Leibeskind, A., 569
Lepisto, P. V., 130
Lerner, E., 454
Leshner, M., 570, 578
Levine, S. A., 579, 587
Leyden, J. J., 428
Lietman, P. S., 384, 388
Lindsay, G. M., 577
Linnerud, A. C., 418
Linscheid, R. L., 584
Lipp, J. E., 564
Lipp, M. R., 579
Lippman, H. I., 579
Liu, C. N., 595
Long, C., II, 355
Lota, M. J., 580
Lowman, E. W., 583
Luck, D. B., 141

M

MacAvoy, C. G., 473
MacIntyre, L., 580
Mackey, F. G., 580
Malenfant, J., 186
Malone, S. J., 579
Manning, D., 583
Mansell, R. E., 318
Marquette, C. H., 586
Marshall, C. H., 583
Marshall, H. C., 119
Marta, J. A., 152
Mason, D. T., 591
Matsko, T. A., 572
Mayer, N. H., 338, 581
McGarrity, M., 586
McHenry, J., 355
McNamara, P. M., 570
McNeal, D., 593
Mead, W. F., 585
Meerschaert, J. R., 577, 581
Meier, R. H., III, 285, 565, 581
Mellits, E. D., 384
Mena, I., 246
Mercer, C. D., 141
Mesch, J. C., 582
Meyer, P. R., 574
Meyer, R. J., 582
Miglietta, O., 582
Mikulic, M. A., 582
Milhous, R. L., 572
Miller, H. S., 418
Miller, J. M., III, 49
Miller, L. W., 583
Mittelman, M., 174
Molnar, G., 71, 393, 490, 583
Monster, A. W., 355, 373
Morgan, D. E., 575
Muilenburg, A. L., 89
Mutti, M., 590
Myers, S. J., 590

N

Naftchi, N. E., 583
Nagler, W., 584
Nanninga, J., 587
Naso, F., 275, 279, 583, 584
Nation, J. E., 228
Nepomuceno, C. S., 49
Nielsen, S. L., 217

O

O'Connor, V. J., 587
Ofir, R., 586
Onder, J., 87
Opitz, J. L., 508, 584
Oshima, T., 585
Ostfeld, A. M., 588

P

Park, S. J., 137
Parks, M., 439
Pasila, M., 130
Payne, J. S., 141
Pearson, J. R., 568
Pedersen, E., 344
Pelosoff, H. V., 89
Perlman, S. G., 81
Perotto, A. O. 579
Perry, J., 134, 593
Petitclerc, G., 590
Petrillo, C., 567
Pollock, M. L., 418
Pomerantz, P., 571
Potter, D. W., 246
Price, M., 186, 522
Puri, K., 585
Pursel, S. E., 575
Pyfer, H. R., 585

Q

Quarn, J. M., 587

R

Ragnarsson, K., 585
Raikes, J. A., 575
Rajashekhar, T. P., 91
Rajeswaramma, V., 582
Ramos, M. U., 586
Rath, G., 574
Real, K., 572
Rebersek, S., 52
Rechnitzer, P. A., 296
Reinstein, L., 586
Reyes, M. G., 565
Reyes, R. L., 111
Richter, R. W., 264, 431
Riedel, G., 471
Riggins, R. S., 576
Rink, T. L., 595
Rogers, E. J., 137
Romano, M. D., 294
Rosen, J. S., 574, 587
Rosman, N., 310
Roussan, M. S., 587
Rubenfire, M., 575
Rubin, M., 595
Rudd, E., 587
Rudolph, R. I., 428
Ruess, J., 572
Ruskin, A. P., 587

S

Sahgal, V., 585
Sakuma, J., 101
Sand, P., 231
Schatzlein, J., 566
Schiller, C., 431
Schneider, K., 579
Schteingart, D. E., 571
Schultz, M. E., 587
Schuman, J. E., 588
Scott, C. M., 241

Seeber, J. J., 170
See, D. H., 588
Sell, G. H., 583, 586
Shackleford, C. B., 301
Shafer, S. Q., 264
Shahani, B. T., 465
Shea, J., 572
Sherrard, W. A., 580
Sigelmann, R. A., 593
Silber, M., 101, 443, 573
Sinaki, M., 508
Smiehorowski, T., 578
Smith, D. P., 301
Smith, E. W., 588
Smits, S. J., 449
Smolkin, C., 269
Solomon, M., 589
Sonstegard, D. A., 588
Sorell, D. A., 589
Souther, S. G., 460
Spencer, W. A., 485
Sperling, K. B., 589
Spiegel, D., 562
Spira, E., 310
Srinivason, R., 564
Staas, W. E., Jr., 586, 590
Steinbrocker, O., 209
Sterescu, L. E., 433
Sterling, H. M., 590
Stolov, W. C., 320
Stonebridge, J. B., 183, 213
Stover, S. L., 590
Strax, T. E., 573
Stribley, R. F., 74
Sullivan, R. A., 409, 590
Sumi, S. M., 568
Sutherland, I. A., 590
Swaan, D., 251
Swenson, K. R., 591
Symington, D. C., 481

T

Tamai, Y., 355
Taranto, K., 596
Taylor, E. J., 39
Taylor, N., 231
Taylor, R., 576
Taylor, R. G., 16, 152, 531, 576, 591, 594
Terami, B., 139, 560
Thistle, N., 584
Thompson, G. R., 205
Thornton, W. E., 592
Thorsteinsson, G., 592
Tobis, J. S., 528
Tourtellotte, W. W., 74
Treanor, W. J., 592
Trieschmann, R. B., 556
Tropper, R., 572
Truong, X. T., 435
Trzebiatowski, G., 289, 563
Tucker, J., 409
Tuckman, J., 583

U

Uhles, D., 591

V

van Wieringen, P. C. W., 251
Vasa, J., 481
Viau, A. T., 583
Villanueva, R., 593
Vistnes, L. M., 460

W

Wager, E. W., Jr., 126
Wahner, H. W., 508
Wajszczuk, W. K., 575
Walcher, J. R., 384, 388
Walinsky, P., 584
Wallace, S. G., 593
Warren, C. G., 139, 183, 213, 560, 593
Wasserman, H., 580
Waters, R. L., 593
Watt, E. W., 553
Waylonis, G. W., 293, 519, 595
Weiss, J. J., 205
Weiss, R., 574
White, S. D., 94
Whiting, H. S., 564
Whiting, W. B., 316, 594
Wiechers, D. O., 576
Wiener, L., 584
Wilf, H., 572
Willard, H. N., 588
Wilmore, J. H., 594
Wilson, A. F., 571
Wilson, B. W., 594
Wilson, D. T., 531
Wilson, S., 560
Wolf, P. A., 570
Wolfe, C. V., 575
Worden, R. E., 595

Y

Yarnall, S. K., 595
Young, R. R., 465
Yu, J., 595
Yucel, V. E., 517

Z

Zaretsky, H. H., 595
Zeiger, H. E., 590
Zelle, J. A., 596
Zimmer, H., 454
Zohman, L. R., 596
Zohn, D. A., 568
Zuckerman, R. L., 578

INDEX TO PAGES

Volume 55—January-December, 1974

January	1-48	July	285-330
February	49-100	August	331-392
March	101-146	September	393-438
April	147-192	October	439-484
May	193-240	November	485-528
June	241-284	December	529-616